

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081621\
 Data File : VX023743.D
 Acq On : 16 Aug 2021 17:11
 Operator : JC/MD
 Sample : M3407-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 17 06:18:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

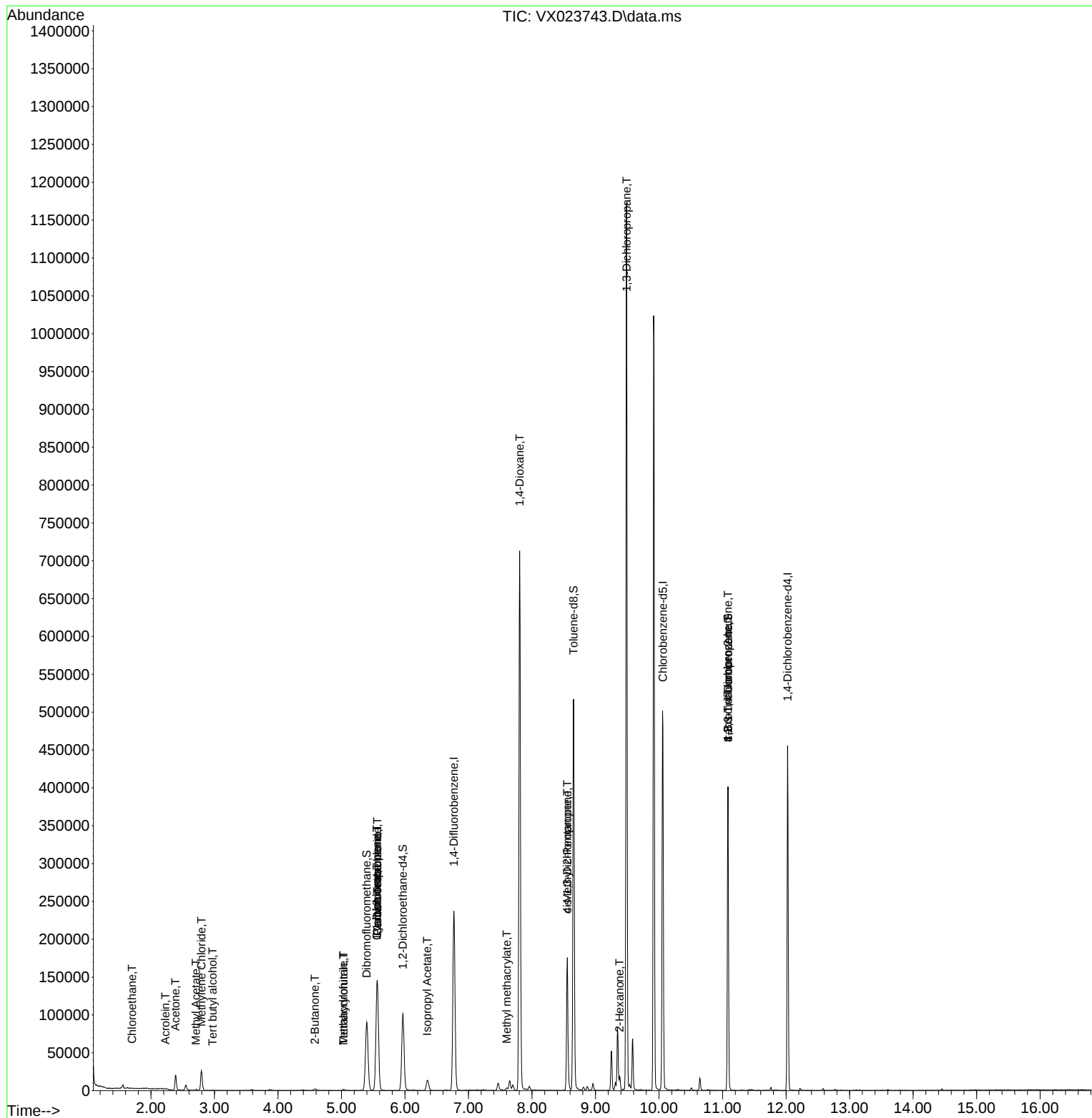
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	137161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	236605	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	220332	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100605	58.800	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 117.600%#	
35) Dibromofluoromethane	5.397	113	76764	51.890	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.780%	
50) Toluene-d8	8.652	98	294666	54.214	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 108.420%	
62) 4-Bromofluorobenzene	11.085	95	100120	54.172	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 108.340%	
Target Compounds						Qvalue
6) Chloroethane	1.702	64	269	0.295	ug/l #	43
11) Tert butyl alcohol	2.971	59	282	0.721	ug/l #	73
13) Acrolein	2.227	56	29	1.509	ug/l #	1
16) Acetone	2.385	43	21187	25.244	ug/l	90
18) Methyl Acetate	2.708	43	1581	0.792	ug/l #	79
20) Methylene Chloride	2.794	84	11072	6.782	ug/l	92
25) 2-Butanone	4.580	43	2834	2.175	ug/l #	82
29) Tetrahydrofuran	5.031	42	865	1.013	ug/l #	54
31) Cyclohexane	5.555	56	3271	1.291	ug/l #	1
36) 1,1-Dichloropropene	5.555	75	10908	5.096	ug/l #	49
38) Carbon Tetrachloride	5.562	117	14350	6.593	ug/l #	14
41) Methacrylonitrile	5.031	41	668	0.469	ug/l #	26
43) Isopropyl Acetate	6.348	43	18763	4.487	ug/l #	92
48) Methyl methacrylate	7.604	41	4950	2.556	ug/l #	10
49) 1,4-Dioxane	7.805	88	85	2.061	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	62909	24.596	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	25226	9.861	ug/l #	75
57) 1,3-Dichloropropane	9.488	76	9287	3.433	ug/l #	42
59) 2-Hexanone	9.378	43	10182	5.242	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75	53990	26.933	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	53990	72.420	ug/l #	12

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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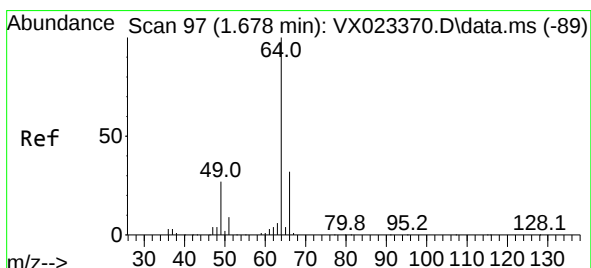
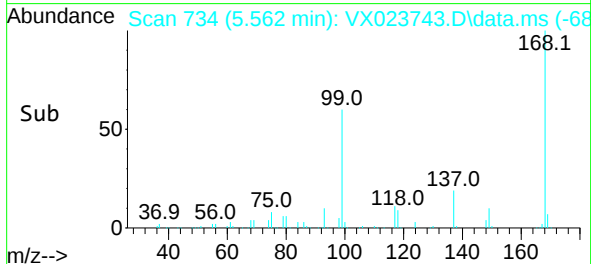
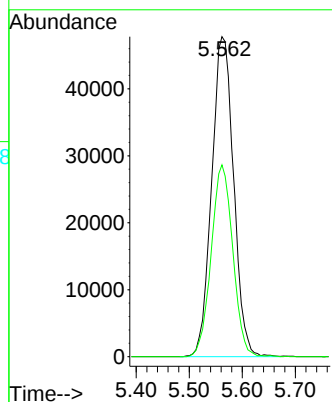
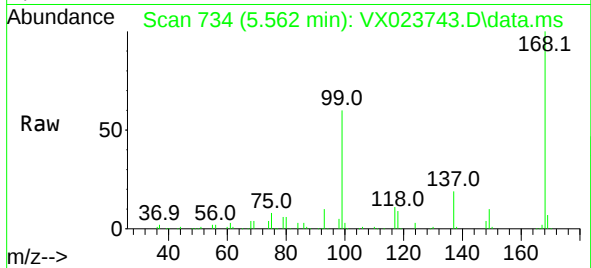




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023743.D
Acq: 16 Aug 2021 17:11

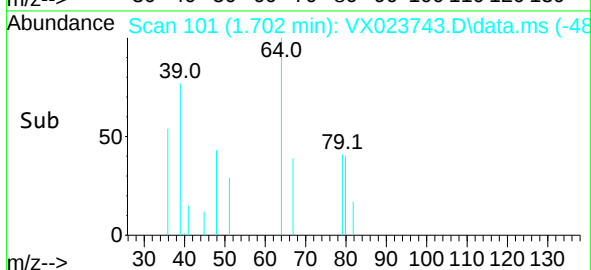
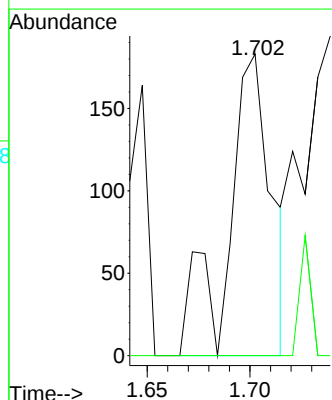
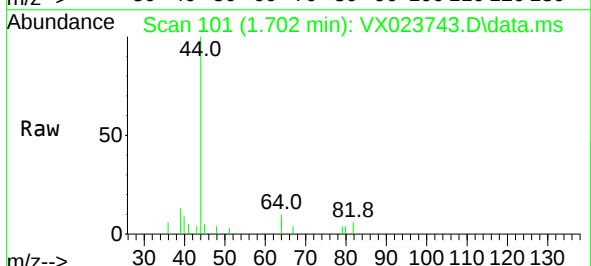
Instrument :
MSVOA_X
ClientSampled :

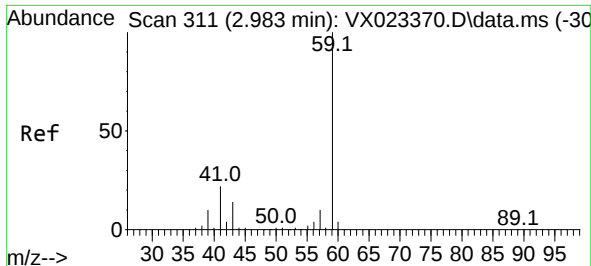
Tgt Ion:168 Resp: 137161
Ion Ratio Lower Upper
168 100
99 60.0 45.8 68.6



#6
Chloroethane
Concen: 0.295 ug/l
RT: 1.702 min Scan# 101
Delta R.T. 0.024 min
Lab File: VX023743.D
Acq: 16 Aug 2021 17:11

Tgt Ion: 64 Resp: 269
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



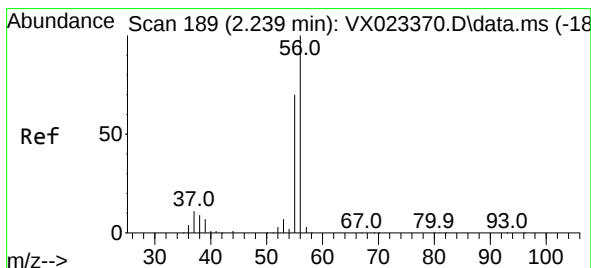
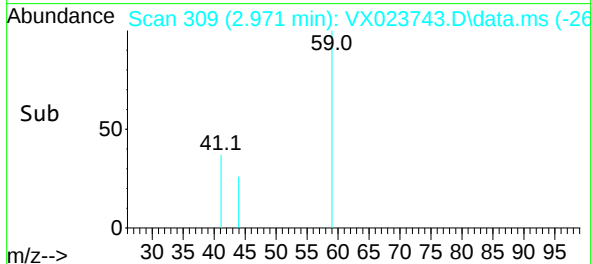
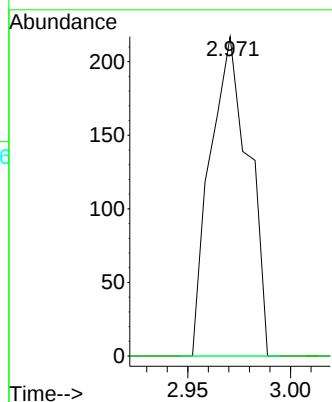
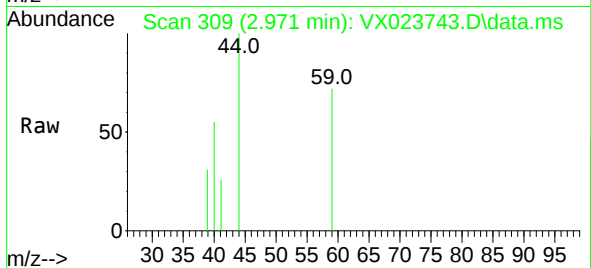


#11

Tert butyl alcohol
Concen: 0.721 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023743.D
Acq: 16 Aug 2021 17:11

Instrument :
MSVOA_X
ClientSampled :

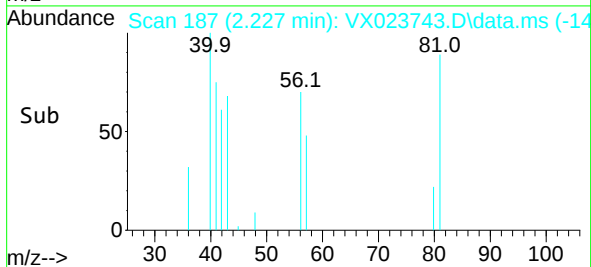
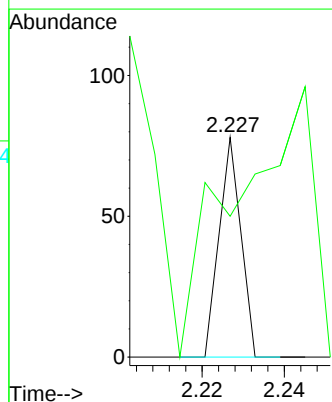
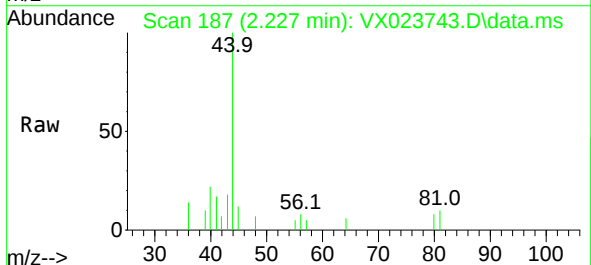
Tgt Ion: 59 Resp: 282
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

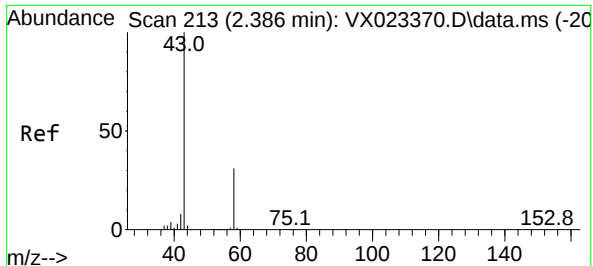


#13

Acrolein
Concen: 1.509 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.012 min
Lab File: VX023743.D
Acq: 16 Aug 2021 17:11

Tgt Ion: 56 Resp: 29
Ion Ratio Lower Upper
56 100
55 431.0 56.4 84.6#

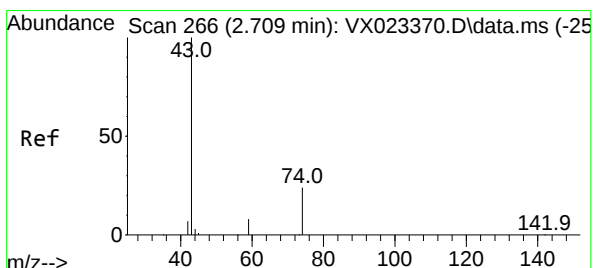
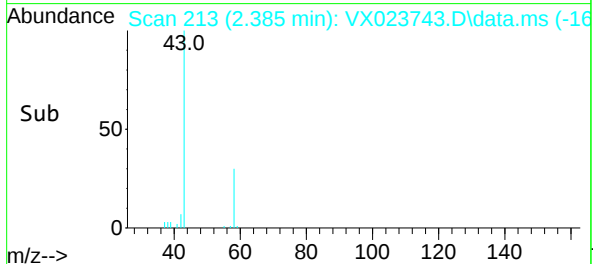
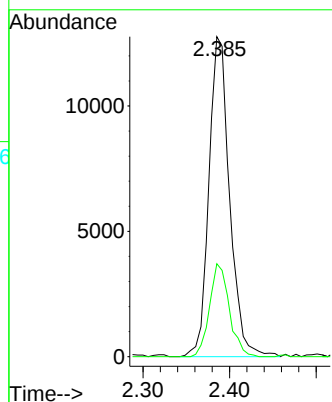
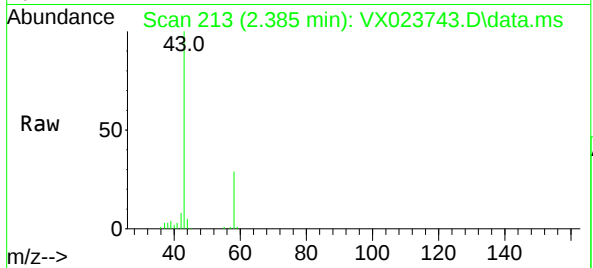




#16
Acetone
Concen: 25.244 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.001 min
Lab File: VX023743.D
Acq: 16 Aug 2021 17:11

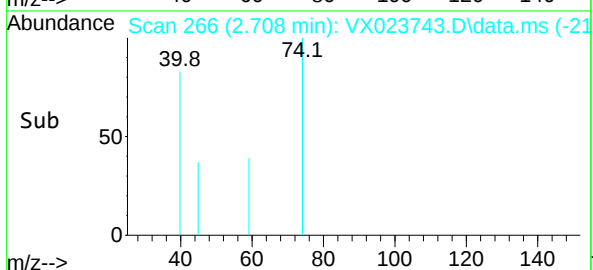
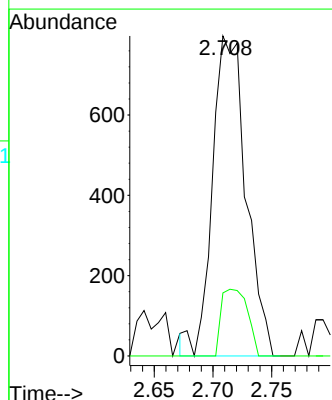
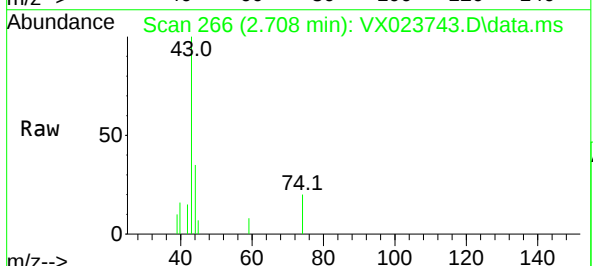
Instrument :
MSVOA_X
ClientSampled :

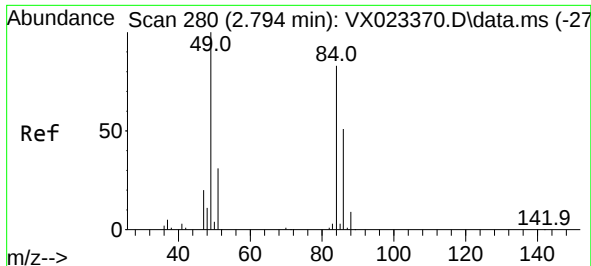
Tgt Ion: 43 Resp: 21187
Ion Ratio Lower Upper
43 100
58 29.0 27.8 41.8



#18
Methyl Acetate
Concen: 0.792 ug/l
RT: 2.708 min Scan# 266
Delta R.T. -0.001 min
Lab File: VX023743.D
Acq: 16 Aug 2021 17:11

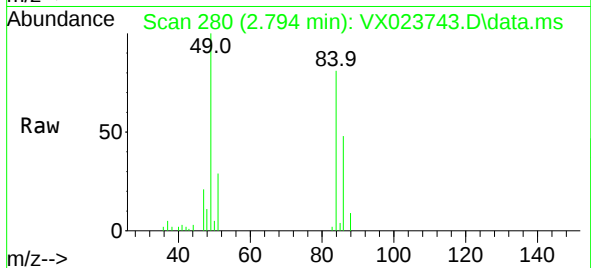
Tgt Ion: 43 Resp: 1581
Ion Ratio Lower Upper
43 100
74 16.3 21.9 32.9#



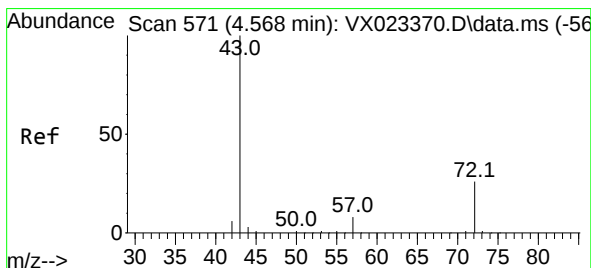
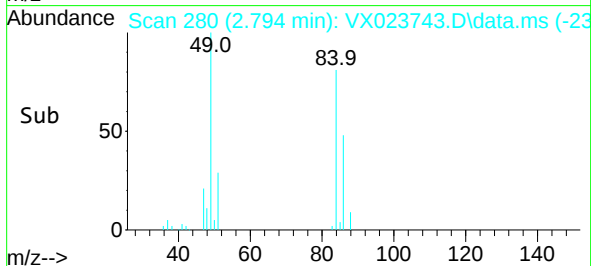
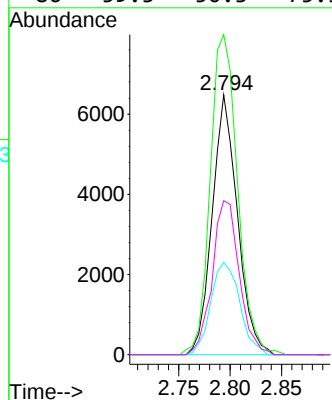


#20
Methylene Chloride
Concen: 6.782 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX023743.D
Acq: 16 Aug 2021 17:11

Instrument :
MSVOA_X
ClientSampleId :

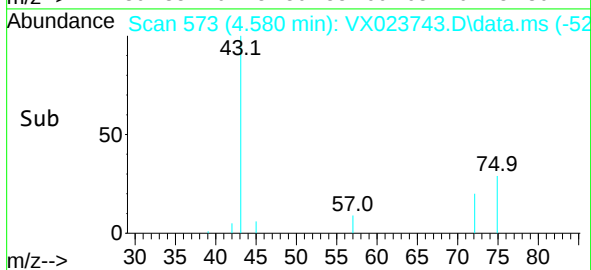
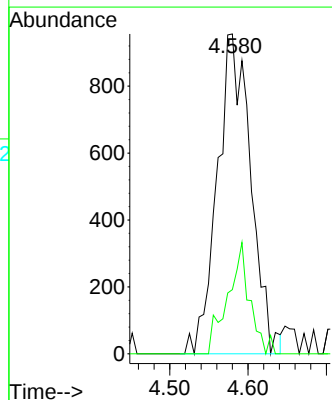
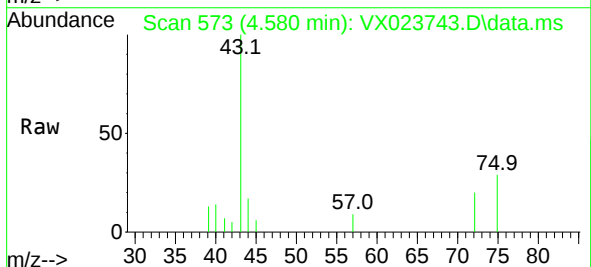


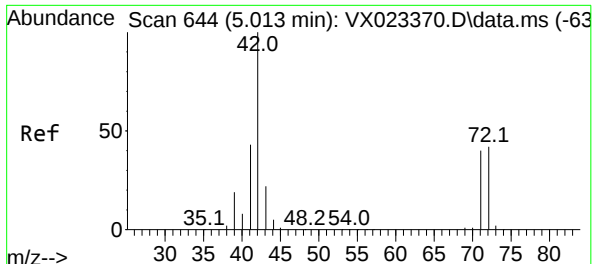
Tgt Ion:	84	Resp:	11072
Ion	Ratio	Lower	Upper
84	100		
49	123.1	88.6	132.8
51	35.5	27.0	40.6
86	59.3	50.3	75.5



#25
2-Butanone
Concen: 2.175 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023743.D
Acq: 16 Aug 2021 17:11

Tgt Ion:	43	Resp:	2834
Ion	Ratio	Lower	Upper
43	100		
72	20.1	23.7	35.5#





#29

Tetrahydrofuran

Concen: 1.013 ug/l

RT: 5.031 min Scan# 647

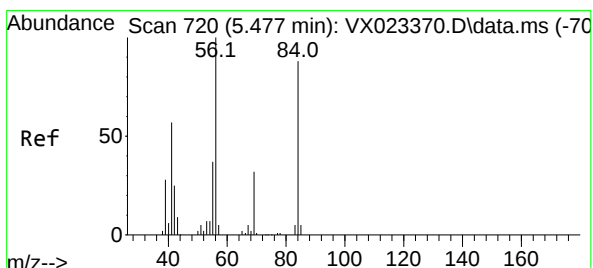
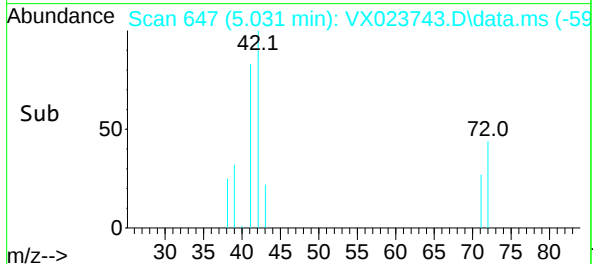
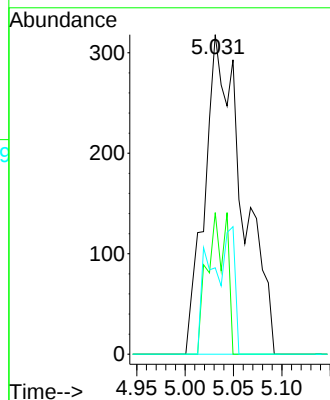
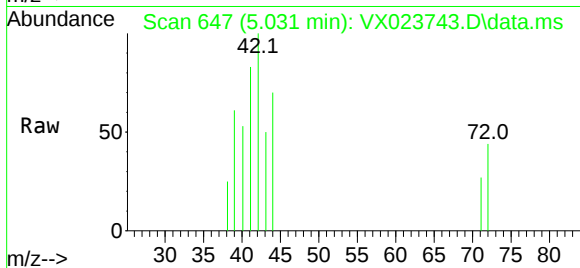
Delta R.T. 0.018 min

Lab File: VX023743.D

Acq: 16 Aug 2021 17:11

Tgt Ion:	42	Resp:	865
Ion	Ratio	Lower	Upper
42	100		
72	22.7	41.7	62.5#
71	14.6	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.291 ug/l

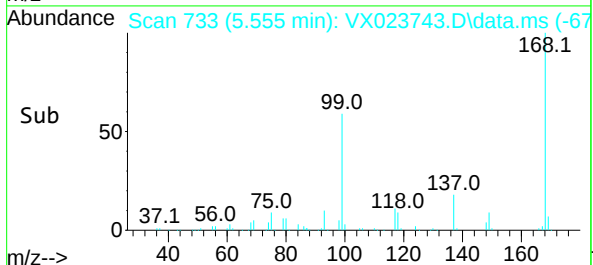
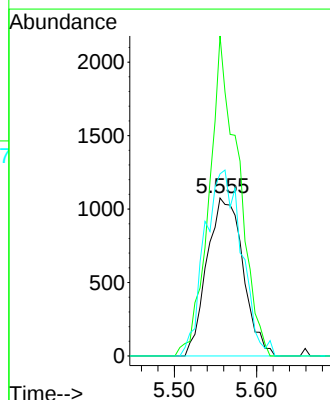
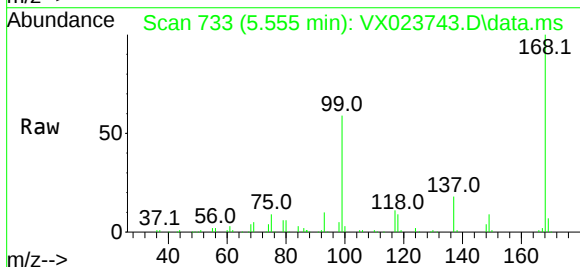
RT: 5.555 min Scan# 733

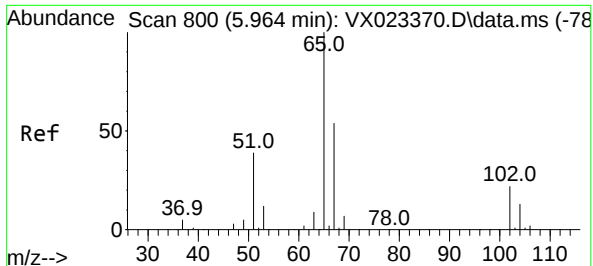
Delta R.T. 0.078 min

Lab File: VX023743.D

Acq: 16 Aug 2021 17:11

Tgt Ion:	56	Resp:	3271
Ion	Ratio	Lower	Upper
56	100		
69	202.6	25.3	37.9#
84	115.3	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 58.800 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.000 min

Lab File: VX023743.D

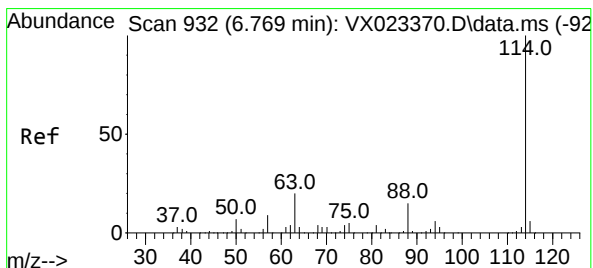
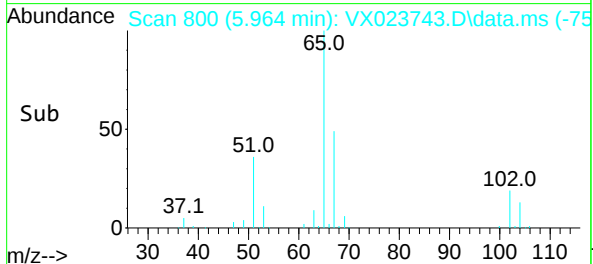
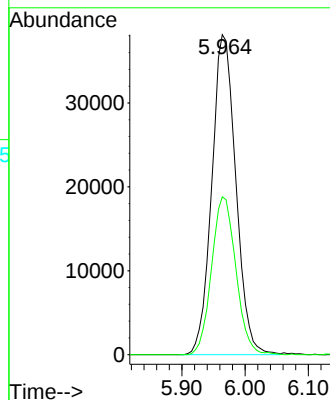
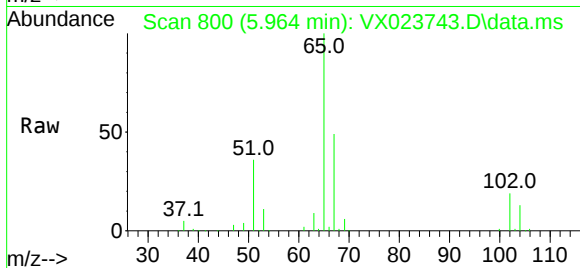
Acq: 16 Aug 2021 17:11

Tgt Ion: 65 Resp: 100605

Ion Ratio Lower Upper

65 100

67 49.8 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX023743.D

Acq: 16 Aug 2021 17:11

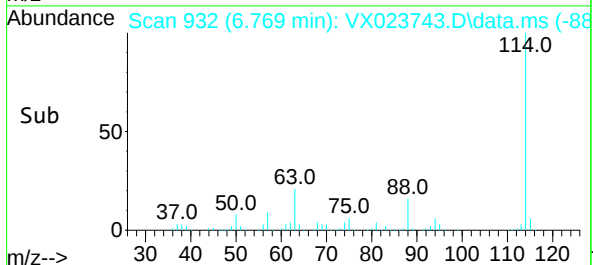
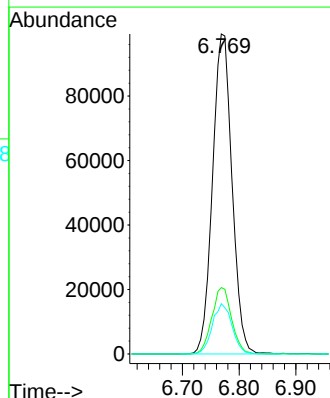
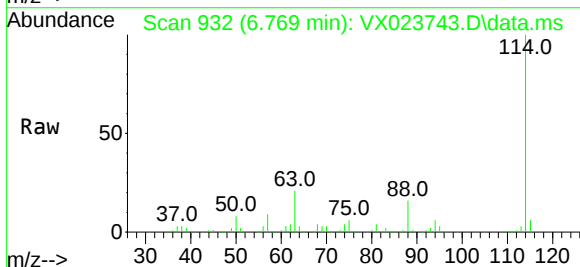
Tgt Ion: 114 Resp: 236605

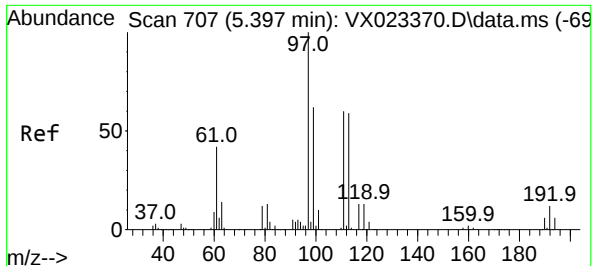
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 15.7 0.0 32.8

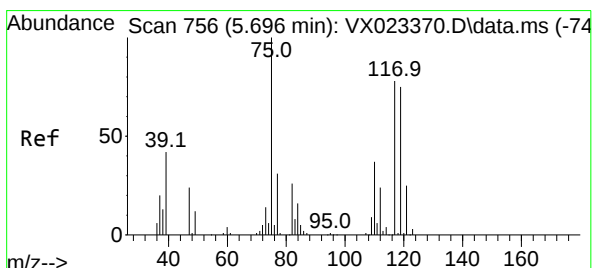
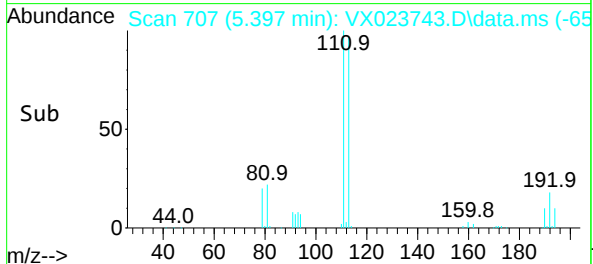
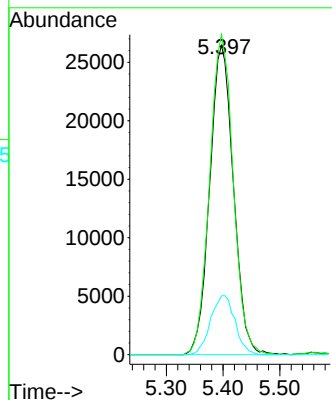
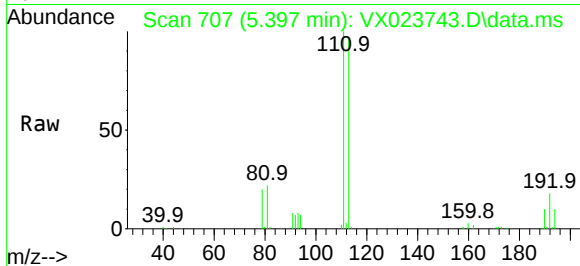




#35
Dibromofluoromethane
Concen: 51.890 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX023743.D
Acq: 16 Aug 2021 17:11

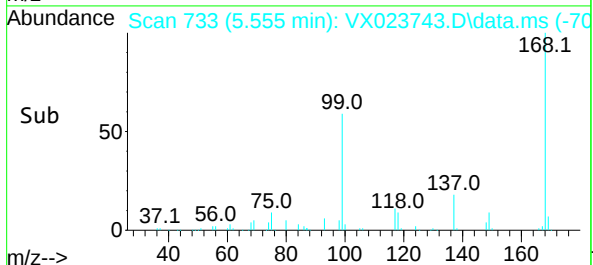
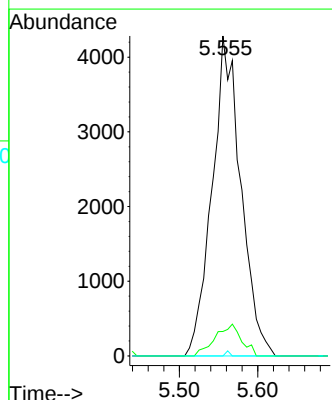
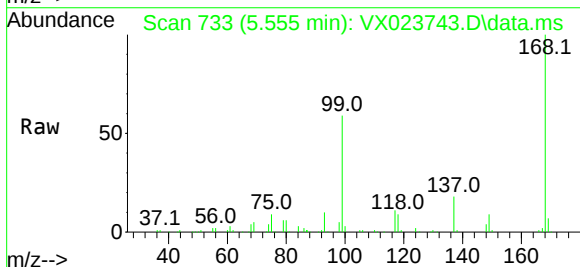
Instrument :
MSVOA_X
ClientSampled :

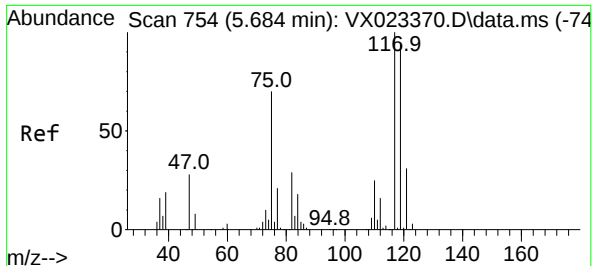
Tgt Ion:113 Resp: 76764
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 19.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.096 ug/l
RT: 5.555 min Scan# 733
Delta R.T. -0.141 min
Lab File: VX023743.D
Acq: 16 Aug 2021 17:11

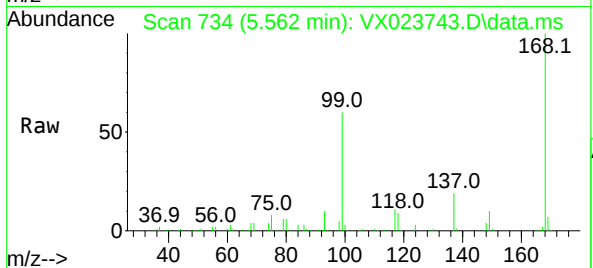
Tgt Ion: 75 Resp: 10908
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.4#
77 0.2 25.3 37.9#



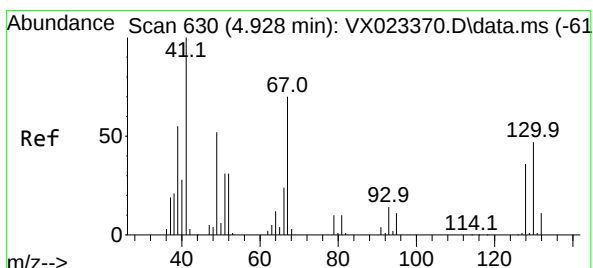
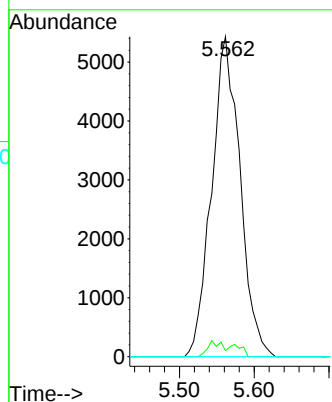
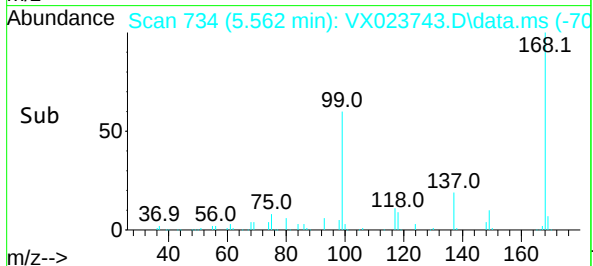


#38
Carbon Tetrachloride
Concen: 6.593 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023743.D
Acq: 16 Aug 2021 17:11

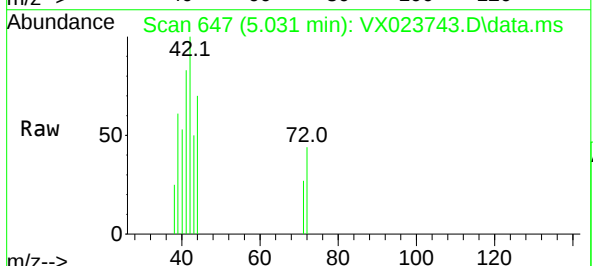
Instrument :
MSVOA_X
ClientSampled :



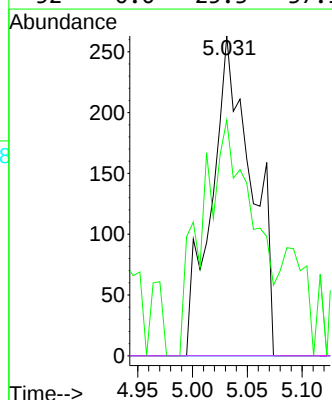
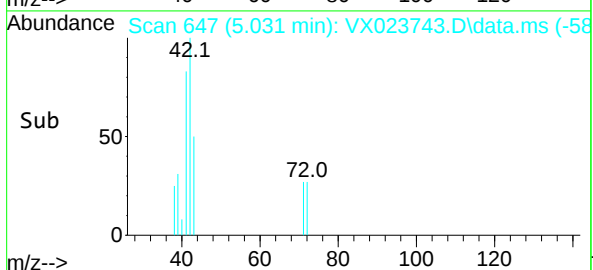
Tgt Ion:117 Resp: 14350
Ion Ratio Lower Upper
117 100
119 1.9 76.2 114.2#
121 0.0 24.8 37.2#

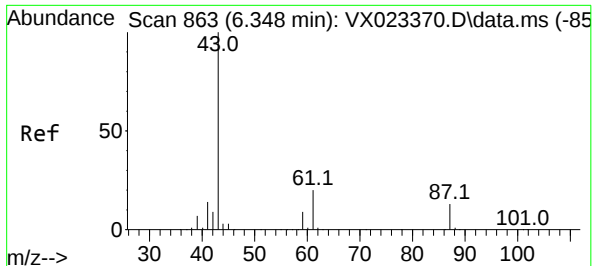


#41
Methacrylonitrile
Concen: 0.469 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.103 min
Lab File: VX023743.D
Acq: 16 Aug 2021 17:11



Tgt Ion: 41 Resp: 668
Ion Ratio Lower Upper
41 100
39 94.5 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

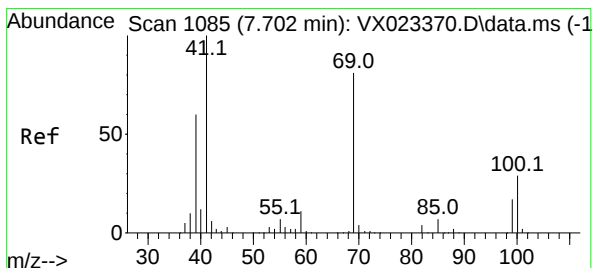
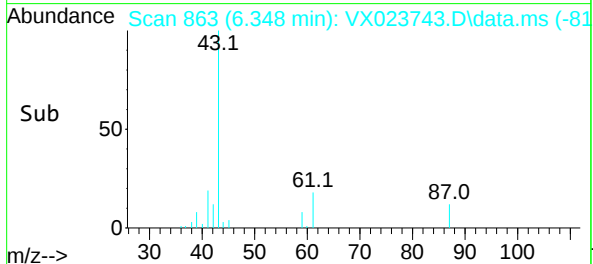
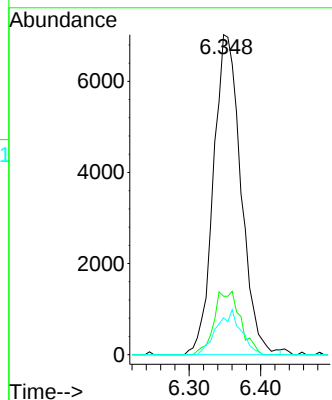
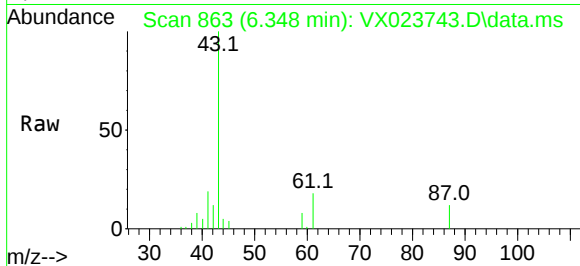




#43
Isopropyl Acetate
Concen: 4.487 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX023743.D
Acq: 16 Aug 2021 17:11

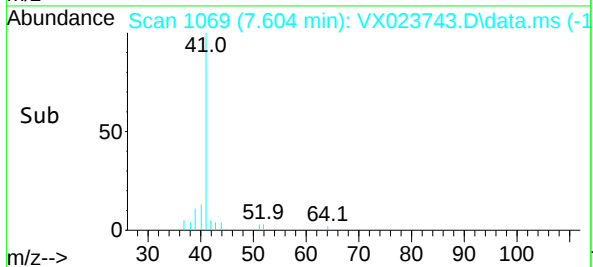
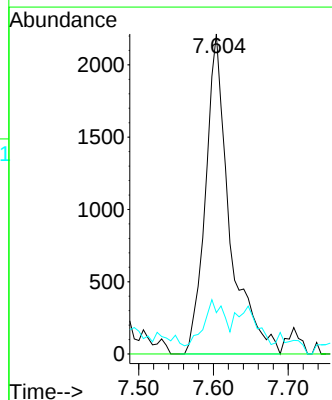
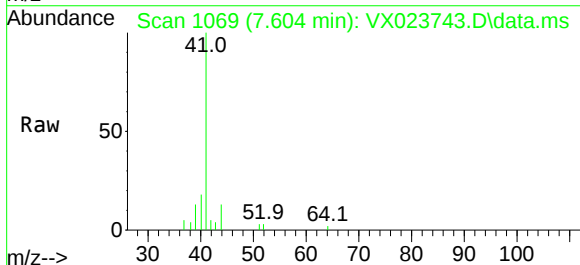
Instrument :
MSVOA_X
ClientSampled :

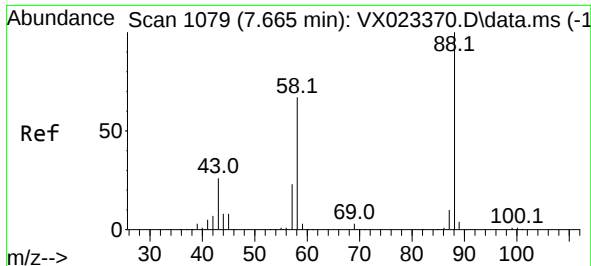
Tgt Ion:	43	Resp:	18763
Ion	Ratio	Lower	Upper
43	100		
61	19.0	18.2	27.4
87	12.3	12.5	18.7#



#48
Methyl methacrylate
Concen: 2.556 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023743.D
Acq: 16 Aug 2021 17:11

Tgt Ion:	41	Resp:	4950
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#





#49

1,4-Dioxane

Concen: 2.061 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.140 min

Lab File: VX023743.D

Acq: 16 Aug 2021 17:11

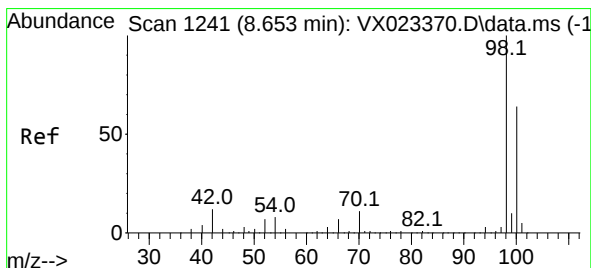
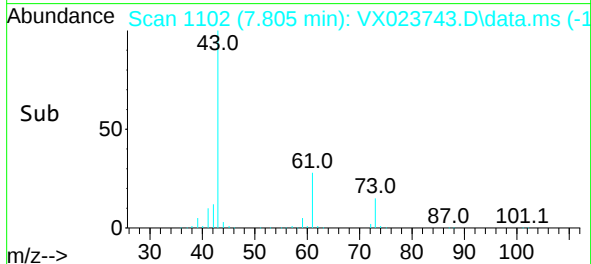
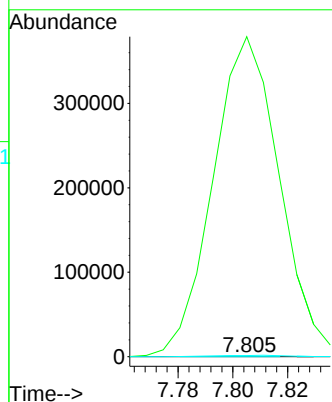
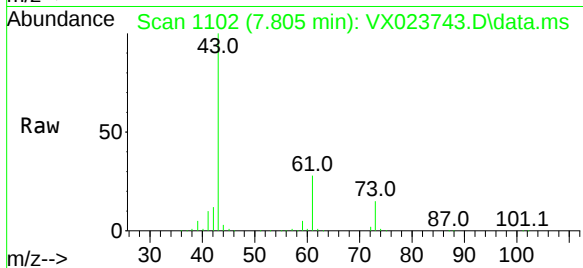
Tgt Ion: 88 Resp: 85

Ion Ratio Lower Upper

88 100

43 758335.3 23.2 34.8#

58 3688.2 55.0 82.4#



#50

Toluene-d8

Concen: 54.214 ug/l

RT: 8.652 min Scan# 1241

Delta R.T. -0.001 min

Lab File: VX023743.D

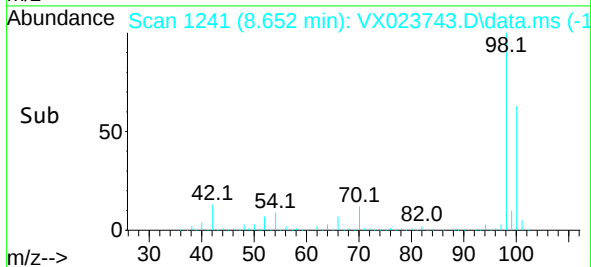
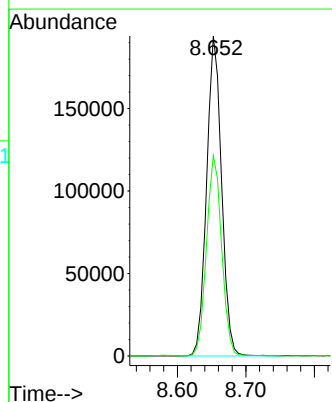
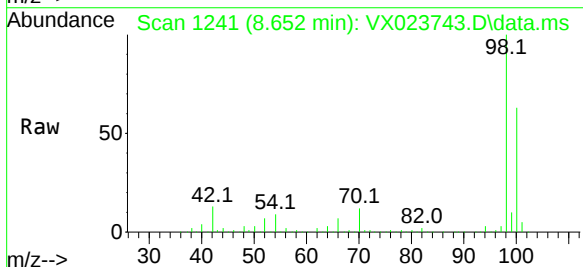
Acq: 16 Aug 2021 17:11

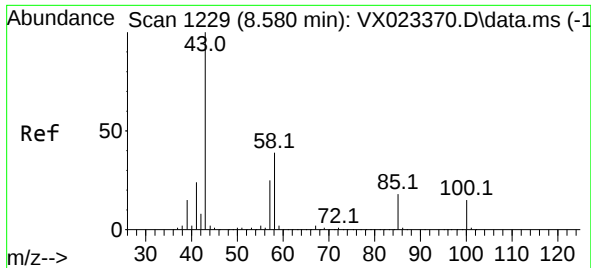
Tgt Ion: 98 Resp: 294666

Ion Ratio Lower Upper

98 100

100 63.6 51.9 77.9

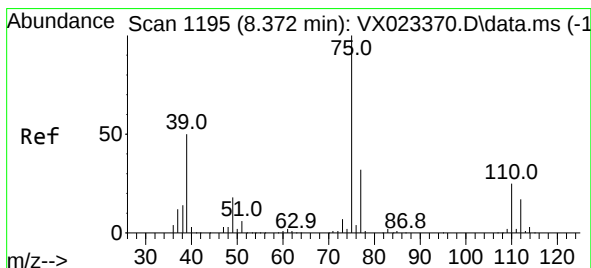
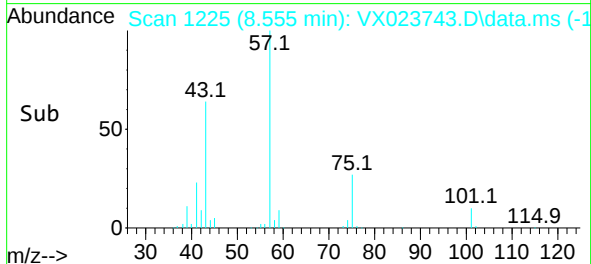
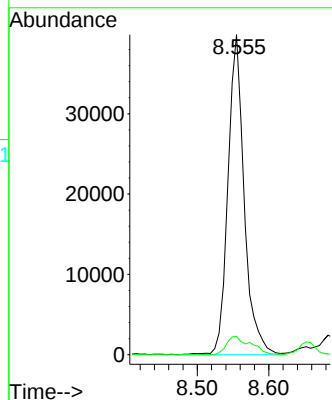
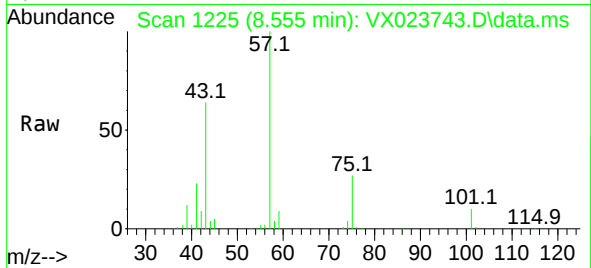




#51
4-Methyl-2-Pentanone
Concen: 24.596 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023743.D
Acq: 16 Aug 2021 17:11

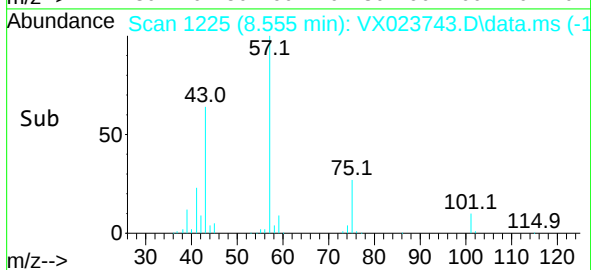
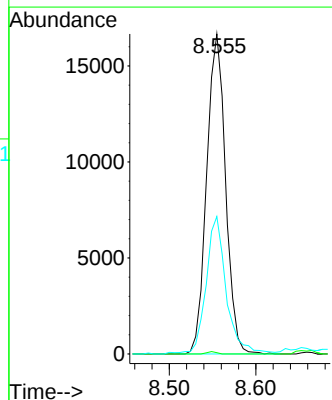
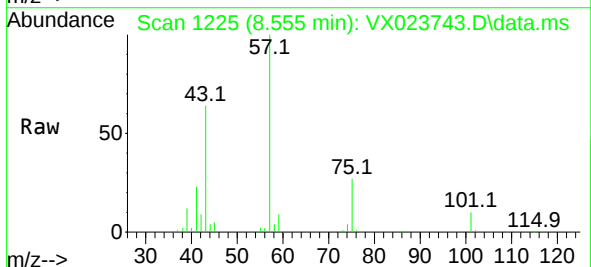
Instrument :
MSVOA_X
ClientSampled :

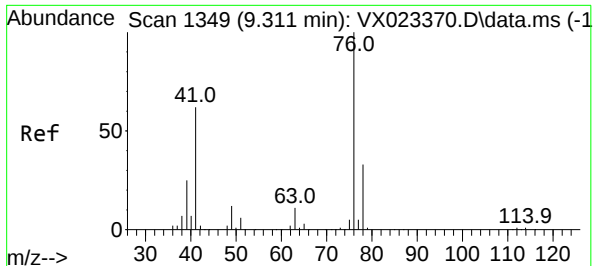
Tgt Ion: 43 Resp: 62909
Ion Ratio Lower Upper
43 100
58 8.5 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 9.861 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023743.D
Acq: 16 Aug 2021 17:11

Tgt Ion: 75 Resp: 25226
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 42.5 35.1 52.7



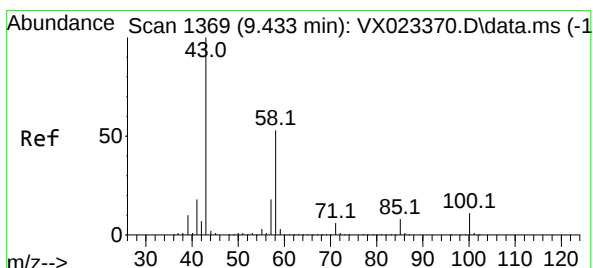
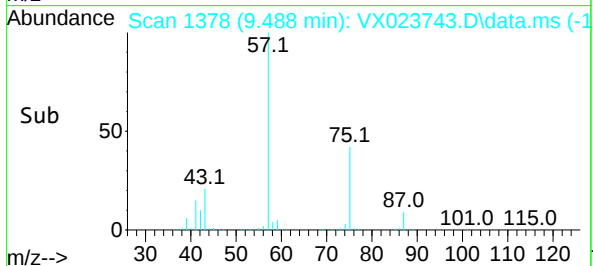
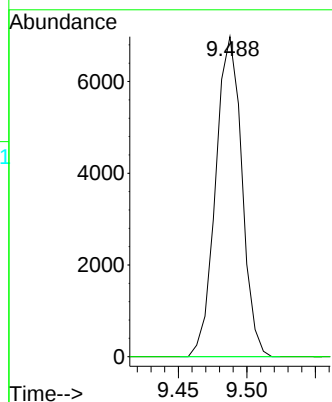
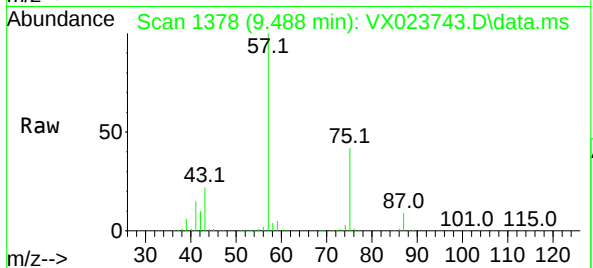


#57

1,3-Dichloropropane
Concen: 3.433 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023743.D
Acq: 16 Aug 2021 17:11

Instrument :
MSVOA_X
ClientSampled :

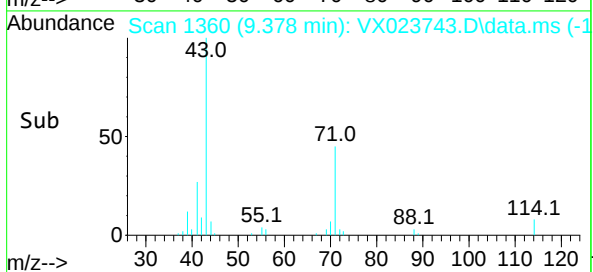
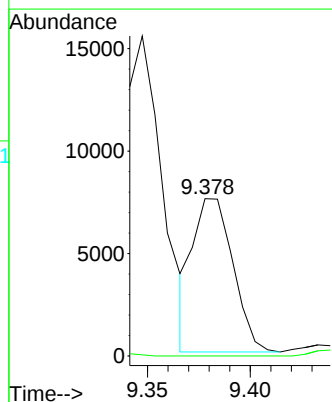
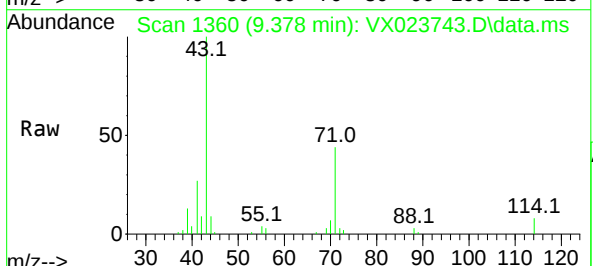
Tgt Ion: 76 Resp: 9287
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

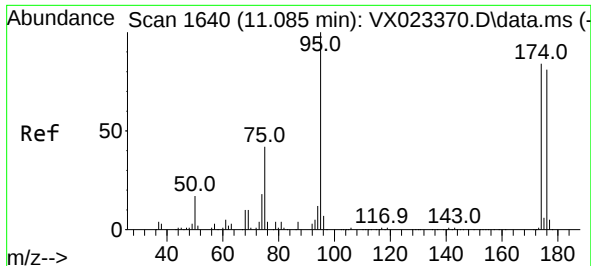


#59

2-Hexanone
Concen: 5.242 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX023743.D
Acq: 16 Aug 2021 17:11

Tgt Ion: 43 Resp: 10182
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#

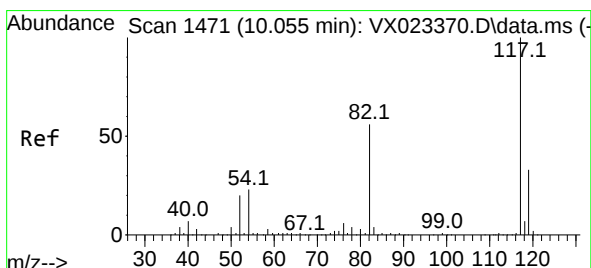
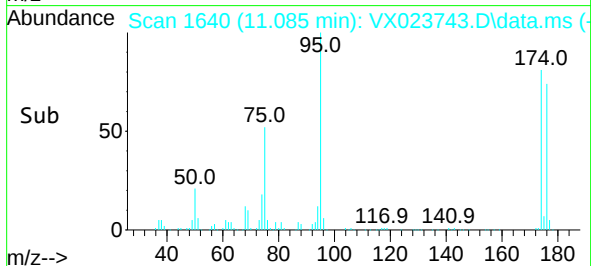
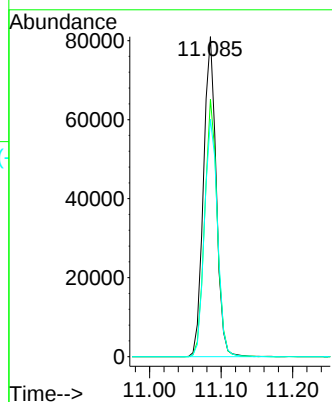
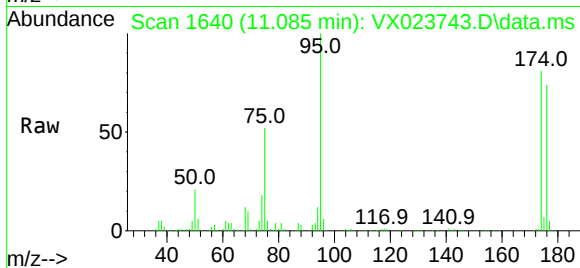




#62
4-Bromofluorobenzene
Concen: 54.172 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX023743.D
Acq: 16 Aug 2021 17:11

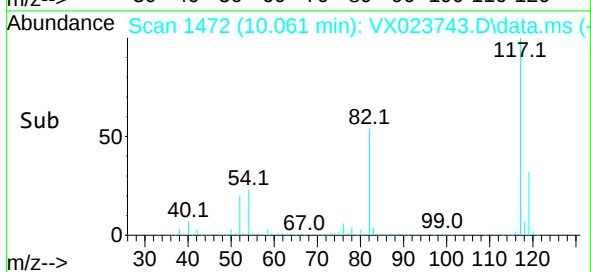
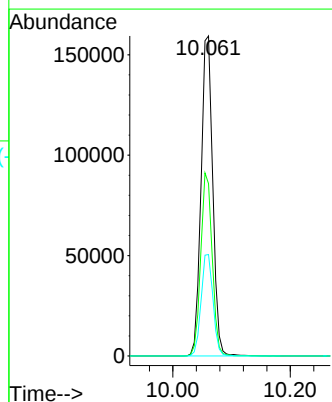
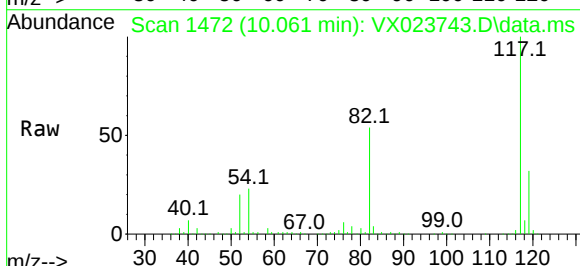
Instrument :
MSVOA_X
ClientSampleId :

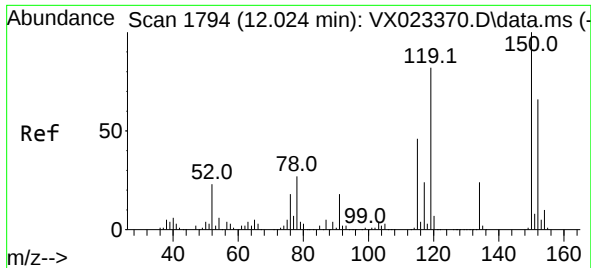
Tgt Ion: 95 Resp: 100120
Ion Ratio Lower Upper
95 100
174 79.1 0.0 154.6
176 76.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX023743.D
Acq: 16 Aug 2021 17:11

Tgt Ion: 117 Resp: 220332
Ion Ratio Lower Upper
117 100
82 53.9 47.4 71.2
119 31.7 26.6 39.8

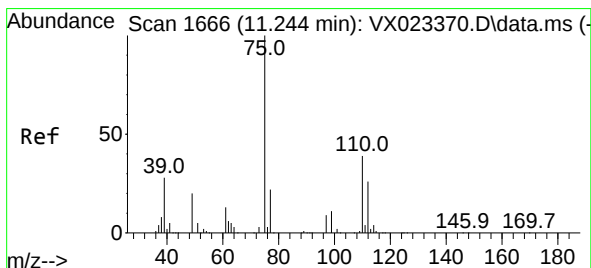
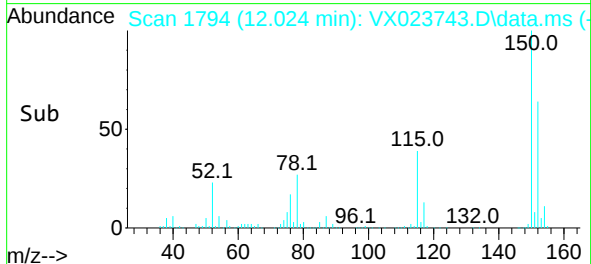
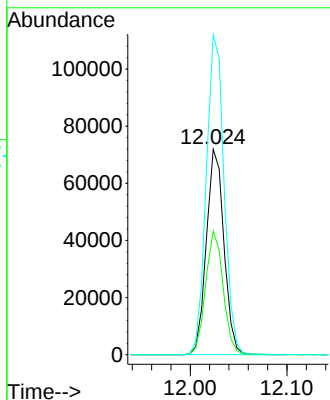
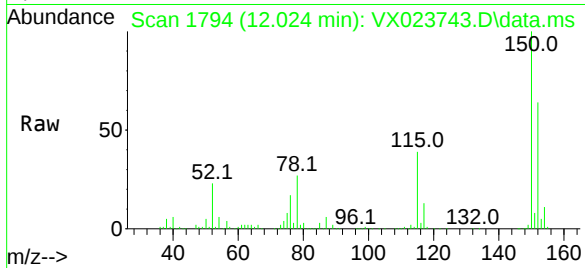




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. -0.000 min
 Lab File: VX023743.D
 Acq: 16 Aug 2021 17:11

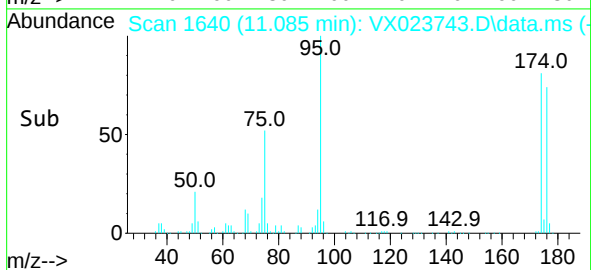
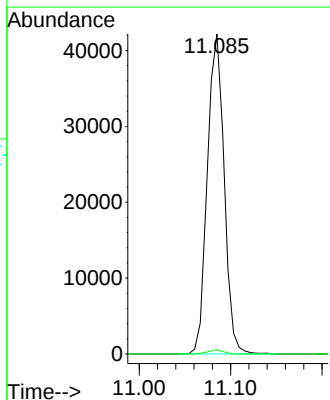
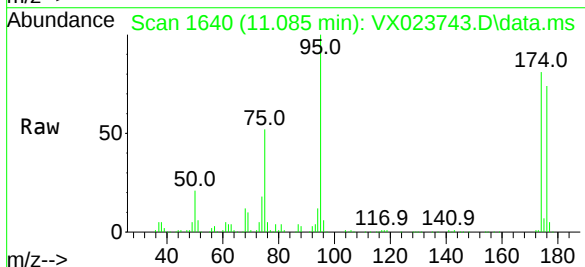
Instrument :
 MSVOA_X
 ClientSampled :

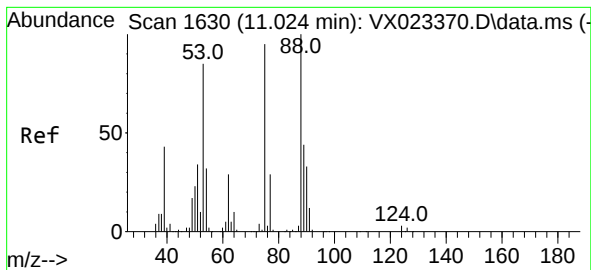
Tgt Ion:152 Resp: 91094
 Ion Ratio Lower Upper
 152 100
 115 59.9 41.1 123.3
 150 157.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.933 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023743.D
 Acq: 16 Aug 2021 17:11

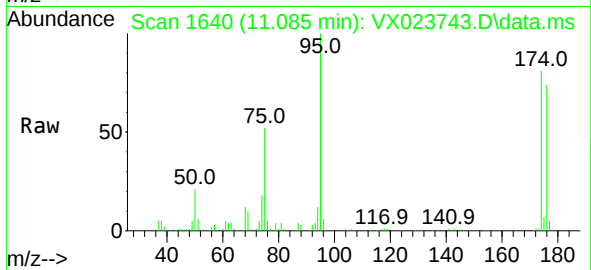
Tgt Ion: 75 Resp: 53990
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.420 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023743.D
 Acq: 16 Aug 2021 17:11

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	75	Resp:	53990
Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.5	111.7#
89	0.0	37.9	56.9#

